

Z/057/62/000/008/001/001  
1037/1237

AUTHOR: Topol, Jan

TITLE: Silicothermic production of magnesium

PERIODICAL: Hutič, no. 8, 1962, 391-394

TEXT: Basic Reactions:  $2\text{MgO} + 2\text{CaO} + \text{FeSi} = 2\text{Mg} + 2\text{CaO}\cdot\text{SiO}_2$   $\text{CaF}_2$  added to the heated and ground dolomite together with FeSi. The mixture is pressed into bricks which are reduced at  $1250^\circ\text{C}$ - $1300^\circ\text{C}$  and vacuum of  $10^{-2}$  Torr. in either electrical or retort furnace. The Mg, which is then refined by remelting, is of 99.9% purity. The technological side of the production has been worked out. The problem of utilization of the slag and of rebuilding of corroded retorts were solved. There are 4 figures.

ASSOCIATION: Panenské Brězany

Card 1/1

TOPOL, Jan

Possibility of magnesium extraction by a silicothermic reduction from  
domestic raw materials. Hut listy 17 no.1:49-52 Ja '62.

1. Vyzkumny ustav kovu, Panenske Brezany.

L 21355-66 EWP(t) IJP(c) JD/WB  
ACC NR: AP6010893

SOURCE CODE: CZ/0034/65/000/008/0579/0583

AUTHOR: Topol, Jan

ORG: Metallurgical Research Institute, Panenske Brezany (Vyzkumny ustav kovu)

25

B

TITLE: Controlled atmospheres for bright annealing of copper

27

SOURCE: Hutnické listy, no. 8, 1965, 579-583

TOPIC TAGS: annealing, copper, metal oxidation, metal heat treatment

ABSTRACT: Copper is not as sensitive to oxidation as most metals. However, to maintain a bright surface and avoid losses of metal, controlled atmospheres during heating are used. The atmospheres discussed are: heating under vacuum, heating in inert atmospheres, removal of oxygen from gases by using scrubbing with a pyrogallol solution, heating in reducing atmospheres, heating in a hydrogen medium, heating in a medium of steam, and heating in carbon dioxide. Industrial practice using oxygen-free atmosphere, so called exo-atmosphere, is described. These atmospheres should not contain excessive amounts of hydrogen in order to avoid its reaction with copper. Up to 25% of H<sub>2</sub> is admissible. Even work in a nitrogen atmosphere may be used for operations of a limited size, or as a temporary measure. Orig. art. has: 1 figure, 11 formulas, and 2 tables. [JPRS]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005  
UDC: 669.785.34: 669.3

Card 1/1

TOPOL, Jaroslav

Alternating current motors with a vertical axis. El tech obzor 52  
no. 3:134-136 Mr '63.

1. Ceskomoravska-Kolben-Danek Praha, n.p.

KANFER, D.F., inzh.; CHERNOV, G.I., inzh.; TOPOL', N.F., inzh.;  
ALFEROV, K.S., inzh.; YEVDOKIMOV, N.A., inzh.

Research at the Makeyevka Metallurgical Plant. Stal' 22  
(MIRA 16:2)  
no.2:116,130-131,156 F '63.  
(Makeyevka—Metallurgical research)

TOPOL, O.; BERGSTEINOVA, V.; LISKA, M.

Relation of sex chromatins to hormonal therapy of breast tumors.  
Cesk.rentg. 15 no.1:17-24 F '61.

1. Onkologicke oddeleni FN KU, Praha 10. Patologickoanatomicky  
ustav FN KU, Praha 10.  
(BREAST NEOPLASMS ther)  
(HORMONES ther)  
(CHROMOSOMES)

TOPOL, Oskar

Cooperation between radiologists and surgeons in the treatment of  
pulmonary cancer. Cas.lek.cesk 100 no.36:1138-1141 8 S '61.

1. Onkologicke oddeleni LFH KU v Praze, zastupce prednosti MUDr.  
L. Lintner.

(LUNG NEOPLASMS radiother) (PNEUMONECTOMY)

TOPOL, O.; JEDLICKA, P.; CHODOUNSKY, Z.

Our experiences with the treatment of malignant brain tumors with  
radiations. Cesk. neurol. 25 no. 3:154-159 My '62.

1. Radiologicke oddeleni Fakultni nemocnice, Praha 10, vedouci MUDr.  
L. Lintner Neurologicka klinika lekarske fakulty hygienicke KU v Praze  
10, prednosta doc. dr. Zdenek Macek.

(BRAIN NEOPLASMS radiother)

TOPOL, O.; BERGSTEINOVA, V.; CHODOUNSKY, Z.

Five-year treatment results in breast cancer. Cesk. rentgen.  
18 no.1:1-10 Ja'64.

1. Onkologicke oddeleni fakultni nemocnice v Praze 10.

\*

TOPOL, O.

The partisan struggle was difficult. Cas. lek. cesk. 103 no. 35:  
956-957 28 Ag '64.

L 32987-66  
ACC NR: AF6024086

SOURCE CODE: CZ/0082/66/000/001/0025/0032

19  
13AUTHOR: Topol, O. (Prague); Chodounsky, Z.ORG: Radiological Clinic, Medical Faculty of Hygiene, KU/headed by Professor, Doctor R. Blaha, Prague (Radiologicka klinika lekarske fakulty hygienicke KU)TITLE: X-ray treatment of intracranial tumors 22SOURCE: Ceskoslovenska neurologie, no. 1, 1966, 25-32

TOPIC TAGS: tumor, brain, neurosurgery, radiology, x radiation, histology

ABSTRACT: Methods of X-ray treatment of intracranial tumors are discussed. Analysis of gliomas from the point of view of survival in various histological types, methods of treatment and other aspects are evaluated. Preoperative irradiation in close cooperation with neurosurgical treatment is recommended. Orig. art. has: 5 figures and 1 table. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 011 / OTH REF: 012

Card 1/1 BK

0915

1651

TIP. O.

BREJCHA, M.; SLABA, J.; TOPOL', O.

Application of photography in practical dosimetry. Cesk.onkol.  
2 no.2-3:177-182 1955.

1. Onkologicke odd. SNF v Praze XII a n.p. Zdravotnické opravny,  
roentgenotechnické odd. v Praze. MUDr M. Brejcha, MUDr O. Topol',  
SNF Praha XII, Sbrobarova 50. RNDr J. Slaba, Zdravotnické opravny,  
n. p., Praha I, Martinska 3)

(RADIOTHERAPY,  
dosimetry, photography in)  
(PHOTOGRAPHY,  
in dosimetry of x-ray)

EXCERPTA MEDICA Sec. 6 Vol. 11/6 June 57  
TOPOL O.

3608. BREJCHA M. and TOPOL O. \*Předběžné výsledky léčení maligních onemoc-  
nění sarkomycinem. Preliminary results of treatment of  
malignant diseases with sarcomycin ČAS. LÉK. ČES. 1956,  
95/42 (1175-1178) Tables 1

Treatment of malignant diseases with sarcomycin, alone or in combination with  
irradiation yielded a mainly subjective improvement of brief duration in 6 patients  
out of 12, the condition of the other patients remaining unaffected. (VI, 5, 16)

EXCERPTA MEDICA Sec 15 Vol 12/10 Chest Dis. Oct. 59

2116. RADICAL X-RAY THERAPY OF BRONCHOGENIC CARCINOMA, ITS INDICATION, COUNTERINDICATION AND THERAPEUTIC RESULTS -  
Topol O. Oncol. Dept., Fac. of Med. (Hyg.), Prague - NEOPLASMA 1958,  
5/3 (262-275) Tables 13 Illus. 5

The author regards bronchogenic carcinoma as 'basically radiosensitive, becoming radioresistant only in the course of supervening pulmonary processes, especially infection'. Radiation failures are ascribed to the far-advanced stage of the disease or inefficient irradiation. The author reports an experience with radiotherapy of 482 patients with bronchial cancer (1950-1955). About 21% (101) were given radical therapy (many 4000 r. tumour dose in 4 to 5 weeks). The description of the technique is not clear. Both 200 kv. and 800 kv. beams were employed with a 'focused technique'. Contraindications to radiotherapy include Jores' cavern, severe bleeding, multiple lung metastases, tumour invasion of large vessels and florid tb. Treatment is augmented by high-protein diet, blood transfusions and antibiotics. Some 65 patients lived more than one year after radical treatment; 5 lived 5 yr. The type of histology did not influence survival. The author believes that by treating the primary plus the mediastinal area good results can be obtained.

Garland - San Francisco, Calif. (XIV, 5, 15)

TOPOL, O. (Praha 15-Podoli, Praha ul. 3)

Radical x-ray therapy of bronchogenic carcinoma, its indication, counter-indication and therapeutic results. Neoplasma, Bratisl. 5 no.3:262-275 1958.

1. Oncologic Department, Faculty of Medicine (Hygiene), Prague 12.  
(RADIOTHERAPY, in various dis.  
cancer of lungs, radical x-ray ther., indic. & contraindic.)  
(LUNG NEOPLASMS, ther.  
radical x-ray ther., indic. & contraindic.)

1.

TOPOL, O.; JEDLICKA, P.; BENES, J.

Standardization of roentgenotherapy of intracranial tumors. Cas. lek. cesk. 97 no. 14: 451-455 4 Apr 58.

1. Onkologicke oddeleni LFH v Praze 12, prednosta MUDr. E. Ungar.  
Neurologicka klinika LFH v Praze 12, prednosta prof. MUDr. J. Sebek.  
O. T., Praha 15, Prava ul. 3.

(BRAIN NEOPLASMS, ther.  
radiother., standard. (Cz))

(RADIOTHERAPY, in various dis.  
cancers of brain, standard. (Cz))

TOPOL, Oskar (Praha 12, Srobarova 50)

Importance of bronchoscopy in x-ray therapy of bronchogenic carcinoma.  
Cas. lek. cesk. 97 no.31-32:1012-1013 8 Aug 58.

1. Onkologické oddělení LFH Praha-12, prednosta MUDr. Emil Ungar.  
(LUNG NEOPLASMS, ther.)

x-rays, bronchoscopic control (Cz)  
(RADIOTHERAPY, in various dis.  
cancer of lungs, bronchoscopic control (Cz))  
(BRONCHOSCOPY  
in x-ray ther. of cancer of lungs (Cz))

TOPOLAC, Z.; BURIC, I.; SKOROBRIJAN, M.

Quenching of fluorescence in quinoline and its derivatives by organic substances. Glas Hem d. 28 no.5/6:257-263 '63.

1. Institute of Physics, Belgrade.

CZECHOSLOVAKIA

J. PETROVA and O. TOPOLCAN, Psychiatric Hospital (Psychiatricka Lecebna)  
Dobrany.

"Preliminary Report About Psychoses Due to Cycloserine."

Prague, Ceskoslovenska Psychiatrie, Vol 59, No 1, Jan 63; pp 20-23.

Abstract: Detailed case reports about 6 patients with psychotic syndromes which broke out during treatment with average (up to 750 mg. per day) doses of cycloserine. Many additional cases are briefly reported. Some of the patients had a familial or individual predisposition. Usually there was a manic component initially, later delirious, paranoid, hallucinatory symptoms as well as a depressive phase. Questions value of drug in treatment of tuberculosis in view of severity of this side effect.

1/1

TOPGLCIC, Zarko

Methods and techniques in organizing and shaping pharmaceutical packaging. Farmaceut gl Zagreb 20 no.9:342-347 3 '64.

1. Center of Industrial Packaging, Zagreb.

TOPOLCIC, Zarko (Zagreb)

Technical planning and design of packing. Nafta Jug 15  
no. 3:62-65 Mr '64.

PETROVA, J.; TOPOLCAN, O.

Electroshock therapy in tuberculous psychotic patients. Cesk. psychiat.  
55 no.3:147-152 June 59.

1. Psychiatricka lecебna v Dobranech.

(SHOCK THERAPY, ELECTRIC, in various dis.  
psychoses in tuberc. (Cz))

(TUBERCULOSIS, psychol.

psychoses, electroshock ther. (Cz))

(PSYCHOSES, ther.

electroshock ther. in tuberc. (Cz))

TOPOLCIC, V.

Physics. Bul sc Youg 7 no.4/5:105 Ag-0 '62.

1. Redacteur d'extraits, "Bulletin scientifique".

TOPOLCIC, V.; DULIC, B.

"Biology" by N. Allegretti, B. Vitale, D. Dekaris, E. Kos,  
M. Drakulic, S. Canadija. Reviewed by V. Topolcic, B. Dulic.  
Bul sc Youg 7 no.4/5:130 Ag-0 '62.

TOPOLCIC, V.

"Protons from  $^{32}\text{S}$  bombarded by 14.4 Mev. neutrons" by [Institut "Ruder Boskovic", Zagreb] B. Antolkovic. Reviewed by V. Topolcic. Bul sc Youg 7 no. 3:73 Je '62.

1. Rédacteur d'extraits, "Bulletin scientifique."

TOPOLCIC, V.

"Alkylmetric derivatives. Oxides, carbonates, and trismethyl-  
mercurioxonium salts" by [Institut "R.Boskovic, Zagreb] D.  
Grdenic and F.Zado. Reviewed by V.Topolcic. Bul sc Youg 7  
no.3:73 Je '62.

TOPOLGIC, V.

"Excitation processes in helium, induced by impact of protons and deuterons" by [Institut "R. Boskovic", Zagreb] Z. Sternberg and P. Tomas. Reviewed by V. Topolcic. Bul sc Youg 7 no.6: 167 D '62.

1. Rédacteur d'extraits, "Bulletin scientifique."

TOPOLCIC, V.

"Biology" by [Institut "R. Boskovic, Zagreb] V. Stankovic,  
S. Keckes, N. Allegretti, M. Randic, and Z. Supek. Reviewed  
by V. Topolcic. Bul sc Youg 7 no.6:179 D '62.

1. Redacteur d'extraits, "Bulletin scientifique."

X

TOPOLCIC, V.

"Attempt to determine the n-n scattering length from the reaction D (n, p) 2n" by K. Ilakovac, L. G. Kuo, M. Petracic, I. Slaus. Reviewed by V. Topolcic. Bul sa Youg 7 no.4/5: 122 Ag-0 '62.

TOPOLCIC, V.

"Capture of 14.4 - MeV neutrons by protons and deuterons" by  
M. Cerineo, K. Ilakovac, I. Slaus, P. Tomas. Reviewed by V.  
Topolcic. Bul. sc. Youg 7 no.4/5:122 Ag-0 '62.

TOPOLCIC, V.

"Reaction mechanism and shell effects from the interaction of 14.6 MeV neutrons with nuclei" by P. Strohal, N. Cindro, and B. Eman. Reviewed by V. Topolcic. Bul sc Youg 7 no.4/5:122 Ag-0 '62

TOPOLCIC, V.

"The determination of random event-rate based on counter live-time measurement" by [Institut "R.Boscovic", Zagreb] V.Radeka. Reviewed by V.Topolcic. Bul sc Youg 8 no.3/4: 72 Je-Ag '63.

"New counting circuits with EIT tubes" by [Institut "R.Boscovic", Zagreb] V.Radeka. Reviewed by V.Topolcic. 72.

"Pulse-amplitude multipliers using logarithmic amplitude-to-time conversion" by [Institut "R.Boscovic", Zagreb] M.Konrad. Reviewed by V.Topolcic. 72

1. <sup>En</sup> Redaction d'extraits, "Bulletin Scientifique".

TOPOLCIC, V.

"Parallel plate halogen counter for high intensity radiation" by [Institut R.Boskovic, " Zagreb], D.Srdoc. Reviewed by V.Topolcic. Bul sc Youg 8 no.3/4:93 Je-Ag'63.

"Scattering of fast neutrons by aluminum" by [Institut R.Boskovic\*, Zagreb] D Winterhalter. Reviewed by V.Topolcic. 93

"The charge asymmetry of the deuteron and nuclear stripping reactions" by [Institut "R.Boskovic", Zagreb] E.Coffou -93. Reviewed by V.Topolcic. 93

"Theory of scattering of highly singular potentials" by [Institut "R.Boskovic", Zagreb] N.Limic. Reviewed by V. Topolcic. 93

1. Redacteur d'extraits, "Bulletin Scientifique".

TOPOLCIC, V.

"Simple demonstration experiments in the Abbe theory of image formation" by [Institut "R.Boskovic", Zagreb] K.Kranjc. Reviewed by V.Topolcic. Bul sc Youg 8 no.3/4:93 Je-Ag'63

"A frequency controlled magnetically coupled multivibrator" by [Institut "R.Boskovic", Zagreb] G.Smiljanic. Reviewed by Topolcic. 94

"Response in electronic integrators" by [Institut "R.Boskovic", Zagreb] M.Konrad. Reviewed by V.Topolcic. 94

"Transistorized converter with saturated magnet core" by [Institut "R.Boskovic", Zagreb] G.Smiljanic. Reviewed by V.Topolcic. 94

"A multiple pulse display system" by [Institute "R.Boskovic", Zagreb] L.Cucancic. Reviewed by V.Topolcic. 94

"Lignad field splitting of d orbitals in eight coordinated complexes of dodecahedral structure" by [Institut "R.Boskovic", Zagreb] M.Randic. Reviewed by V.Topolcic. 94

1. Redacteur d'extraits, "Bulletin scientifique".

TOPOLCIC, V.

"Proton conductivity in Borax  $N_2B_4O_5(OH)_4 \cdot 8H_2O$ " by [Institut "R.Boskovic", Zagreb] S.Maricic, V.Pravdic, and Z.Veksli. Reviewed by V.Topolcic. Bul sc Youg 8 no.3/4: 94 Je-Ag'63.

"The reactivity of co-ordinated acetylacetone" by [Institut "R.Boskovic", Zagreb] C.Dordevic, J.Lewis, and R.S.Nyholm. Reviewed by V.Topolcic. 95

"Proton magnetic resonance in borax" by [Institut R.Boskovic", Zagreb, (and) Institut "J.Stefan", Ljubljana] S.Maricic, Z.Vekls, and M.Pintar. Reviewed by V.Topolcic. 95

"Secondary hydrogen isotopes effects. IV.Solvolytic rates of specifically deuterium labeled cyclopropylmethyl benzenesulfonates" by [Institut "R.Boskovic", Zagreb] S.Borcic, M. M.Nikoletic, and D.E.Sunko. Reviewed by V.Topolcic. 95

1. Redacteur d'extraits, "Bulletin scientifique".

TOPOLCIC, Zarko (Zagreb, Gajeva 26)

Elements and organization of packaging. Tehnika Jug 17 no.10:  
Suppl.: Organizacija rada 12 no.10:2015-2019 0 '62.

1. Savetnik Saveznog centra za obrazovanje rukovodečih kadrova  
u privredi, Zagreb.

TOPOLEWICZ, C.

Regeneration of pitch road surfaces. p. 192  
(Instytut Techniki Budowlanej) Warszawa, Poland.

Vol. 1C, no. 8, Aug. 1955

So. East European Accessions List Vol. 5, no. 1, Jan. 1956

TOPOLEV, A

"The force of a production conference by I.Tkachev. Reviewed  
by A.Topolev. Sov.profsoiuzy 16 no.13:59-60 J1 '60.  
(MIRA 13:8)  
(Workers councils) (Tkachev, I.)

TOPOLEV, A.; KOLGANOV, I., jurist

Our consultations. Sov. profsoiuzy 18 no.4:45-46 F '62.  
(MIRA 15:3)  
(Leningrad—Work councils) (Installment plan)

TOPOLEV, A.

Eliminate shortcomings decisively and quickly. Sov. profsciuz  
6 no.6:19-23 Je '58. (MIRA 11:7)  
(Construction industry)

TOPOLEV, A.

"At the club interesting to everybody" by V.Brudnyi. Reviewed by  
A.Topolev. Sov.profsoiuzy 18 no.14:41-42 Jl '62. (MIRA 15:7)  
(Odessa—Community centers) (Brudnyi, V.)

PETROV, G.G., inzhener; TOPOLEV, A.M.

Introduction of limit gauges at the Shumerlyya Furniture Combine.  
Der. i lesokhim. prom. 3 no.5:17-18 My '54. (MLRA 7:6)

1. Shumerlinskiy mebel'nyy kombinat. (Gauges)

TOPOLEV, H.

AGRICULTURE

Periodical: SOTSIALSTLIK PÖLÜUMAJANDUS Vol 14, no. 1, Jan. 1959

TOPOLEV, H. Practical work should be more efficient. p. 33.

Monthly List of East European Accessions (EEAI) LC, Vol. 18, No. 5,  
May 1959, Unclass.

TOPOLEV, M.A., inzh.

Concrete distributor equipped with a boom conveyer. Transp.  
stroi. 9 no.1:59 Ja '59. (MIRA 12:2)  
(Building machinery) (Reinforced concrete construction)

TOPOLEV, N.

~~Fattening farms are improving their work. Mias. ind. SSSR 29~~  
no.1:33-34 '58. (MIRA 11:3)

1. Penzenskiy sovnarkhoz.  
(Penza Province--Swine--Feeding and feeding stuffs)

... and the same day, a Tektronix 4010 was used to record

the 1000 Hz signal waveform.

Afterwards, the 4010 was used to read the waveform and the data was recorded on a 3 1/2" floppy disk. The data was then read into a computer and the waveform was plotted. The plot showed a very sharp, narrow peak at 1000 Hz.

When this signal was plotted, it was found that the signal was not a pure sine wave, but contained a small amount of noise.

Card 1/2

ACCESSION NR. A-55552

7/14/61 100-1000-19

SEARCHED INDEXED

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SEARCHED INDEXED

*Cyc*  
Card 2/2

05228  
Sov/142-4-3-26/21

913.9, 24(1) Sokolova, Ye.S., Candidate of Technical Sciences  
 AUTHORS  
 TITLE: A Scientific Conference on the Application of Ultrasonid in the  
 Investigation of Matter  
 PERSONALIA: Investitsiya v yashchikh uchebnykh svedeniyu. Radiotekhnika, 1959, Vol  
 2, Nr 3, p 386 (ISSN)

ABSTRACT:

From February 10-14, 1959, the Seventh Scientific Conference on the Application of Ultrasonid for the Investigation of Matter was convened in Moscow at the Moscow Oblast' May Pedagogicheskiy Institute, Izmaili M. K. Krymskoye (Moscow Oblast' Pedagogical Institute, Izmaili M. K. Krymskoye). About 500 men participated from Moscow, Leningrad, Krasnoyarsk, Kuznetsk, Stalingrad, and scientists from the German Democratic Republic and Poland participated in the conference work. More than 80 papers were read at the conference. The following sections were organized at this conference: molecular acoustics, industrial application of ultrasonid research methods, propagation of ultrasonid in solid bodies, demonstration of acoustical phenomena in schools and nurseries. At the first plenary session, the paper of V.M. Kondratenko was read "Physical Principles of Tech-

7

"Physical Application of Low-Amplitude Molecular Acoustics", B.B. Kondratenko read his paper "The Application of Ultrasonid in Industry". The following papers were read at the plenary sessions: A.S. Pichatilov "The Sound Wave Dispersion in Rarified Gases"; Dr. Reichardt "German Democratic Republic: Ultrasonic Investigation of Silica Gel and Hydrogen"; Dr. Kozai, Poland, "The Application of the Molecular Kinematic Theory of Gases to the Problem of Reschilli-type Saitte and a Paper of Professor P. Kucher, Poland, "Research in the Field of Ultrasonid Wave Propagation in Liquids was the subject of the papers of B.B. Kondratenko, S.A. Polivanov, L.G. Belitskaya, O.I. Martynina, V.D. Karpov, V.P. Gavrilov, M.G. Shchel'derich, L.P. Vozobnov, Z.I. M. Dzhuparova, and P.A. Golikov. The paper "Jointly Prepared by B.B. Kondratenko, V.P. Kondratenko, M.V. Kosikov and V.P. Kondratenko was devoted to the consideration of problems in the molecular acoustics. Dr. Kondratenko delivered a report on the dynamic equation of the state of strongly viscous liquids. The ultrasonic oscillations were subject of the reports of Yu.M. D'yakov, A.M. Trofimov, A.I.

Card 1/3

Krymskoye, L.B. Pirogovskoye, L.P. Lopatin, I.I. Cherbashko and others. The report of L.A. Orlanskiy, A.V. Borovikova and others dealt with the application of ultrasonid in medicine. In the sections of acoustic research methods, the papers of the following authors were read: B.I. Kalyuzhny, V.F. Volegov, A.B. Sipir and V. Krasilova. These reports dealt with pulse measuring methods of velocity and absorption of ultrasonid. The propagation of ultrasonid in solid bodies was the subject of the reports of L.G. Markulov, V.S. Cherkashin, L.A. Tsvetkov, A.I. Trokin, A.K. Matrosov and others. In the section dealing with acoustic demonstration at schools and nurseries, the following reports were delivered: N.I. Gorbunova and V.P. Topolov, "Experimental Determination of Ultrasonid in Liquid"; N.I. Gorbunova, "Experimental Determination of Sound-Intensity, Acoustic Potentiometer for Determination of Sound-Intensity", N. Prokof'yev, "Acoustic Potentiometer for Determination of Sound-Intensity". The plenary conference convened at 10:30 p.m. on April 13, 1959.

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756310015-2"

Card 3/3  
 SUMMITS:

TOFOLWICZ, A.

Computing iron and concrete composite constructions.

P. 283 (Inżynieria i Budownictwo. Vol. 14, no. 8, Aug. 1957, Warszawa, Poland)

Monthly Index of East European Accesions (EEAI) LC. Vol. 7, no. 2,  
February 1958

TOPOLEV, V.P.

Vsesoyuznaya konferentsiya professorov i prepodavatelye pedagogicheskikh institutov. Printserya ultraschall i issledovaniyu veshchestva (utilizatsiya ultraschallia dlya izuchenija sifera i sifera) Moscow, Izd. Nauka, 1960. 257 p. 1,000 copies printed. (Series: Its Truly, vyp. 11)

MA. (Title page): V.P. Topolev, Professor and B.B. Kudryavtsev, Professor. Purpose: This collection of articles is intended for physicists specializing in the physics of ultrasound.

Contents: The collection of articles constitutes the transactions of the VII Conference on the Applications of Ultrasound to the Study of Materials, which was held at the Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya). Various problems in the wave mechanics of ultrasound, the absorption and propagation mechanisms of ultrasonic waves in various media, the operating principle and characteristics of generators and receivers of ultrasonic waves, the speed of sound and methods for its determination. Other articles deal with the applications of ultrasound to investigations of the properties of materials. 90 per cent of articles are reprints. References are necessary.

SOV/5237

Ultrasonics (Cont.)

Dubovikova, R.P., and B.B. Kudryavtsev [Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya)]. Recognition of Small in Disperse Media 165

Kal'yanov, B.I. [Member Pedagogical Institute]. Determination of the Speed of Ultrasound From the Periodic Variations of the Phase Relations of Two Acoustic Pulses 175

Kudryavtsev, B.P., and B.B. Kudryavtsev [Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya)]. Speed of Sound in Aqueous Solutions of Na<sub>2</sub>SO<sub>4</sub> 181

Shalyant, A.S., and B.B. Kudryavtsev [Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya)]. Investigation of the Propagation of Ultrasonic Waves in Three-Liquid Mixtures. Which of the Liquids Have Different Interaction Patterns 191

Sosulin, V.P., and B.B. Kudryavtsev [Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya)]. Application of Acoustic Measurements in the Study of Density Fluctuations in Liquids 201

Ol'shitskii, A.D. [Moscow Oblast Pedagogical Institute named N.K. Krupskaya]. Diffraktion of Light on Bumped Ultrasonic Waves 205

Perezhogin, I.I., and V.P. Yakovlev [Moscow Oblast Pedagogical Institute (now Moscow Oblast Pedagogical Institute named N.K. Krupskaya)]. New Method Using Interferometer to Measure Absorption of Ultrasound 213

Shabrovich, N.G. [Moscow Oblast Pedagogical Institute named N.K. Krupskaya]. Investigation of the Speed of Propagation and Absorption of Ultrasound in Liquid Phase Methyl Alcohol Near the Critical Region 219

Makarova, I.D. [Moscow Oblast Pedagogical Institute named N.K. Krupskaya]. Investigation of Temperature Dependence of Sliding and Viscosity Viscosity of Certain Organic Liquids in the Critical Region 225

Sosulin, V.P., and V.S. Shaborenko [Moscow Oblast Pedagogical Institute named N.K. Krupskaya]. Devices For Measuring the Intensity of an Ultrasonic Field in Conductive Liquids 233

Perezhogin, I.I., and V.P. Yakovlev [Moscow Oblast Pedagogical Institute named N.K. Krupskaya]. Relationship Processes in Van Der Waals Gases 239

Morobov, I.O. (UDSSR, im. V.I. Ul'yanova (Leningrad) Leningrad Electrotechnical Institute (now V.I. Ul'yanov (Leningrad) Institute). Absorption of Ultrasonic and Eddy-Current Waves in Ceramic Crystals 247

Topolev, V.P. Lecture Room Demonstrations With Ferrite Ultrasonics 253

Bulletin 265

AVAILABLE: Library of Congress (00244782)

16

NAGORNYY, L.Ya., kand.tekhn.nauk; TOPOLEV, V.P.

Noncontact standard alternating voltage switch for weighing devices. Avtom.i prib. no.3:66-68 J1-S '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR.  
(Electric switchgear)

NAGORNYY, L.Ya.; TOPOLEV, V.P.

Noncontact electronic a.c. switch. Izm.tekh. no.12:43-46  
D 162. (MIRA 15:12)  
(Electronic instruments)

NAGORNYY, L.Ya.; PECHUK, V.I.; SKRIPCHUK, V.Yu.; TOPOLEV, V.P.

Methods for reducing the dynamic error of tensometric scales.  
(MIRA 16:12)  
Izm. tekhn. no.12:15-17 D '63.

SABURDO, G.A.; TOPOLEV, V.P.

Investigating dynamic errors in weighing moving loads. Izm.  
tekhn. no.11:14-16 N '64. (MIRA 18:3)

AMR

*General Theoretical and  
Experimental Methods*

34

390. D. B. Topolianski, "On approximations to Dirichlet's  
integral" (in Russian), *Appl. Math. Mech. (Prikl. Mat. i Mekh.)*,  
Sept-Oct. 1947, vol. 11, pp. 551-554.

This paper describes an approximation *from below* to the  
Dirichlet integral. Michael Sedov, USA

148

MM

TOPOLIDI, K.G.

Studying the trajectory of the movement of bone bobbins on  
the existing openwork weaving machines. Izv. vys. ucheb. zav.;  
tekh. teks. prom. no.3:80-85 '64.

(MIRA 17:10)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni Kirova.

*Topolnik*

YUGOSLAVIA/Virology - Human and Animal Viruses.

E-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9708

Author : Topolnik, Aleray, Audi

Inst : -

Title : Reaction of Complement Fixation in Equine Abortion Virus.

Orig Pub : Veterin. arh., 1955, 25, No 7-8, 188-194

Abstract : With the aid of RSK 358 samples of equine sera were tested; 250 from the Northwestern portion of Khorvacia, where virus abortion prevails, and 108 from districts where no such diseases were observed. Effectiveness of 2 RSK methods was tested (Randall C.C. et al, Proc. Soc. Exptl. Biol. and Med., 1950, 75, 465) and a modified method of the same authors (Doll et al., Am. J. Vet. Res., 1954, 40). In the first method the results were recorded on the basis of 50% hemolysis: positive results were obtained in 42 cases. In using the second method the recording was made only by a total fixation of the complement;

Card 1/2

*Topolnik*

YUGOSLAVIA/Virology - Human and Animal Viruses.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 9705

E-3

Author : Topolnik, Shebetich, Aleray, Audi, Dzhyukich

Inst : *USSR*

Title : Immunological Interrelationship of Equine Abortion Viruses and Grippe in Horses.

Orig Pub : Veterin. arh., 1956, 26, No 1-2, 16-20

Abstract : The complement-linked antibodies of mares' abortion viruses were examined in the serum of 32 grippé-affected horses and 293 healthy animals. The complement fixation test was positive in the majority of diseased horses and negative in almost all the healthy ones. The authors consider that this confirms the relationship or identify of the indicated viruses.

Card 1/1

TOPOLNIK, E.

"Diagnosis & differentiation of *S. pullorum* & *S. gallinarium* by bacteriophage."

Vet. Archiv. 21 : 548-553 - 1951

TOPOLNIK, E. & BEGANOVIC, H. H.

"A Case of lab. infection with Atypical Avian pest, (Newcastle)" Vet. Fac., U. of Zagreb  
& Animal Husbandry Inst. for the Vet. Service.

Vet. Archiv. 21 : 572-574, 1951

TOPOLNIK, Eugen Dr.

Docent for microbiology at Vet. Fac. Zagreb University

Avdo Hadzi Beganovic - ass. of the Federal Inst. for Vet Service

Lamb Dysentery

Source: Vet Broj 3-4, p.219, 1952

TOPOLNIK, E. & MAJSIG, M.

"Haemagglutination by Trichomonas foetus)"

Vet. Archiv. 22, 66-68, 1952

TOPOLNIK, E.

See: MATUKA, S.

See: KRAVICA

"Virus abortion of Mares in Croatia & Bosnia." Dept. of Microbiology, Vet. Fac. U. of Zagreb. Inst. for Vet. Medical Research, U. Zagreb.

Vet. Archiev. 23 : 217-223, 1953

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by  
Viruses and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21592

Author : Aleraj, Z., Audi, S., Topolnik, E.

Inst :

Title : Infection of Goats in Dalmatia Reminiscent of  
"Heartwater Disease".

Orig Pub: Veterin. arh., 1956, 26, No 3-4, 111-119.

Abstract: In Dalmatia, a goat infection was observed whose pathologic and anatomical characteristics are similar to those of the so-called "heart-water" disease caused by Rickettsia ruminantium. Sheep and large horned cattle were also affected. In goats, this disease is characterized by its taking an especially acute course and by high mortality. Its clinical, pathologic and anatomical

Card : 1/2

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by  
Viruses and Rickettsiae.

R

Abs Jour: Ref Zhur-Biol., No 5. 1958, 21592.

data are described. In the organs of dead animals (spontaneously ill or experimentally infected) minute coccoid corpuscles resembling rickettsiae were discovered. These corpuscles were successfully cultivated on hen embryos. The authors are of the opinion that the causative agent of this disease in goats and sheep of Dalmatia is the same one, and that it is probably a rickettsia resembling the causative agent of the "heartwater disease".

Card : 2/2

5

*sublibrary on file*

*HMS-NYB*

531.576.41 531.506.3 531.576.42(416)  
Copeland), Mgritz, Der Rolf und Tau in Österreich bis 1100 m Hochhöhe. [Dew time and  
dew in Austria up to 1100 m above sea level.] Austria, Zentralanstalt für Meteorologie und Geo-  
dynamik, Jahrbücher, Neue Folge 1912, 49:1-18, 1914, numerous figs., table, 3 maps, appendix  
DWB. A comprehensive work on long period observations of dew in Austria. In the numerous  
tables, the author gives for the period 1891-1909 annual number of days with dew and frost, and  
variations of the number of such days with height above sea level. Subject Headings: 1. Dew 2.  
Frost 3. Austria.

TOPOL'NIK, N.K.; KVASKO, N.Z.; TSETZERO, S.V.

Modernizing the individual units of the papermaking machine  
No. 1 at the Poninka Woodpulp and Paper Combine. Bum. i der.  
prom. no.4:30-34 O-D '63. (MIRA 17:3)

ATOYAN, K.M., kand. tekhn. nauk; GENBCM, B.B., kand. tekhn. nauk;  
DROBOT, Yu.I., kand. tekhn. nauk; TORGL'NIK, V.D.; MAGOMAYEV,  
G.A.; MIKITIN, N.N.; RYABOV, A.V.

Power consumption for driving auxiliary units and its effect on  
the traction and speed characteristics of the LAZ motorbuses.  
(MIRA 18:7)  
avt. prom. 31 no.3:30-32 Mr '65.

1. L'vovskiy politekhnicheskiy institut i L'vovskiy avtobusnyy  
zavod.

TOPOLNIK, Z.

TOPOLNIK, Z.; MILOJEVIC, B.

Ear plugs as a protective means against noise. Arh. hig. rada  
5 no.1:105-112 1954.

1. Institut za higijenu rada, Zagreb; Klinika za bolesti uha,  
nosa i grla, Medicinski fakultet, Zagreb; radnja primljena 10.  
XI. 1953.

(NOISE

\*indust., protective eff. of ear plugs)

(HEARING

\*protective eff. of ear plugs against indust. noise)

(EAR

\*plugs, protective against noise)

TOPOLNIK, Z.

~~Accidental death of a diver. Arh.hig.rada 5 no.3-4:396-397~~  
1954.

1. Odjel za higijenu rada Instituta za medicinska instrazivanja  
Jugoslavenske Akademije, Zagreb.  
(INDUSTRY AND OCCUPATIONS,  
divers, accid.death caused by defective appar.(Ser))  
(ACCIDENTS,  
in diving causing death(Ser))

TOPOLNICK, Z.

VOUK, V.B. in collab. with Z. TOPOLNICK, F. VALIC AND O.A. WEBER.

No translation. Arh.hig.reda 6 no.1:29-32 1955.

1. Institute of Industrial Hygiene, Yugoslav Academy of Sciences  
and arts. Zagreb.

(GASES,  
exper.gas chamber, design & operation)

TOPOLNIK, ?.

"Metallic Vessels For Taking Atmospheric Samples, the Cause of Incorrect Results."  
p. 236. (Arhiv Za Higijenu Rada. Vol. 4, no. 2, 1953. Zagreb.)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress,  
Feb. 1954, Uncl.

Z. TOPOLNIK

"Research on Materials for Ear Plugs, p. 66. (ARHIV ZA HISTORIJU RATA, Vol 4,  
No. 1, 1953, Zagreb, Yugoslavia)

SO: Monthly List of European Accessions, L.C.; Vol. 2, No. 11, Nov. 1953, Uncl.

TOPOLNIK, Z.

"The protection of machinists and stokers in tunnels." p. 480. (ARHIV ZA HIGIJENU RADA,  
Vol. 3, no. 4, 1952, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

TOPOLNIK, Z.

V. B. VLOUK, Brit. J. Ind. Med. 7, 168-76, 1950

TOPOL'NITSKAYA, K.F. (Kiyev).

Reviewing mathematics textbooks for secondary schools of the German Democratic Republic. Mat. v shkole no.5:76-78 S-0 '58. (MIRA 11:10)  
(Germany, East--Mathematics--Textbooks)

TOPOLNICKI, K., inz.

Reconstruction of the southern breakwater of the Sailors' Basin in Gdynia. Tech gosp morska 10 no.7/8:228-230 Jl-Ag '60. (EEAI 9:11)

1. Przedsiębiorstwo Budownictwa Inżynierii Morskiego, Gdańsk  
(Poland--Breakwaters)

TOPOLNICKI, Tadeusz, mgr.

Remarks on the lecturing activities of the Association of Polish  
Mechanical Engineers and Technicians. Przegl techn 79 no.2:58-60  
'58.

(Poland—Engineering societies)

TOPOLNICKI, Tadeusz, mgr.

On the eve of the Poznan International Fair. Przegl techn 79  
no.10:428-430 My '58.

KISTELSKI, Leszek, mgr., inz.; TOPOLNICKI, Tadeusz, mgr.

The 16/29th Convention of the Association of Polish Mechanical  
Engineers and Technicians. Przegl techn 81 no.25:17-19 Je '60.

TOPOLNICKI, Tadeusz, mgr

Dry dock in the Gdynia Shipyard. Przegl mech 22 no.11:338-  
340 10 Je '63.

TOPOLNICKI, Tadeusz; ZIOLEK, Maciej (Warszawa)

Construction machines and equipment at the Leipzig Spring Fair  
1964. Przegl budowl i bud mieszk 36 no. 6:307-313 Je '64.

PIKOVSKIY, Ya.M., kand. tekhn. nauk; VASIL'YEV, A.A., inzh.,  
retsenzent; MARTYNOV, N.V., inzh., retsenzent; MARTYNOV,  
N.V., inzh., red.; TOPOL'NITSKAYA, L.P., inzh., red.

[Operating road machinery] Ekspluatatsiia dorozhnykh mashin.  
Moskva, Izd-vo "Transport," 1964. 374 p. (MIRA 17:4)

KHARKHUTA, Nikolay Yakovlevich; VASIL'YEV, Yuriy Mikhaylovich;  
TOPOL'NITSKAYA, L.P., red.; GALAKTIONOVA, Ye.N., tekhn.  
red.

[Firmness and compactness of the soils of roadbeds] Ustoi-  
chivost' i uplotnenie gruntov dorozhnykh nasypei. Moskva,  
Avtotransizdat, 1964. 215 p. (MIRA 17:3)

SERGIN, Ivan Nazarovich; TOPOL'NITSKAYA, L.P., red.

[Creep of concrete in road and bridge structures] Pol-  
zuchest' betona v dorozhno-ostovykh sooruzheniakh. Mo-  
skva, Transport, 1965. 146 p. (MIRA 18:4)

PUZAKOV, N.A., doktor tekhn. nauk; KHARKHUTA, N.Y., doktor tekhn. nauk; KOTYLEV, Yu.L., kand. tekhn. nauk; VEITSMAN, M.I., kand. tekhn. nauk; MITASOV, I.V., inzh.; LEVITSKIY, Ye.F., inzh.; RUMANOV, A.Z., inzh.; Prinimali uchastiye: KAZARNOVSKIY, V.D., kand. tekhn. nauk; DENISOV, Ye.M., inzh.; TOFOL'NITSKAYA, L.F., red.

[Instruction for building earth automobile roadbeds] Instruktsiia po sooruzheniiu zemlianogo polotna avtomobil'nykh dorog (VSN 97-63). Moskva, Transport, 1964. 238 p. (MIRA 17:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po transportnomu stroitel'stvu.

UDOD, V.M.; NABOK, M.F.; TOPOL'NITSKAYA, S.Yu.

Case of Recklinghausen's disease associated with a fourth degree  
mixed goiter complicated by multiple fractures. Probl. endok.  
gorm. 10 no.5:64-65 S-0 '64. (MIRA 18:6

I. Borislevskiy mezhrayonnyy protivozobno-endokrinologicheskiy  
dispanser L'vevskoy oblasti.

TOPOLSKA, Paula; ZDZIECHOWSKA, Halina

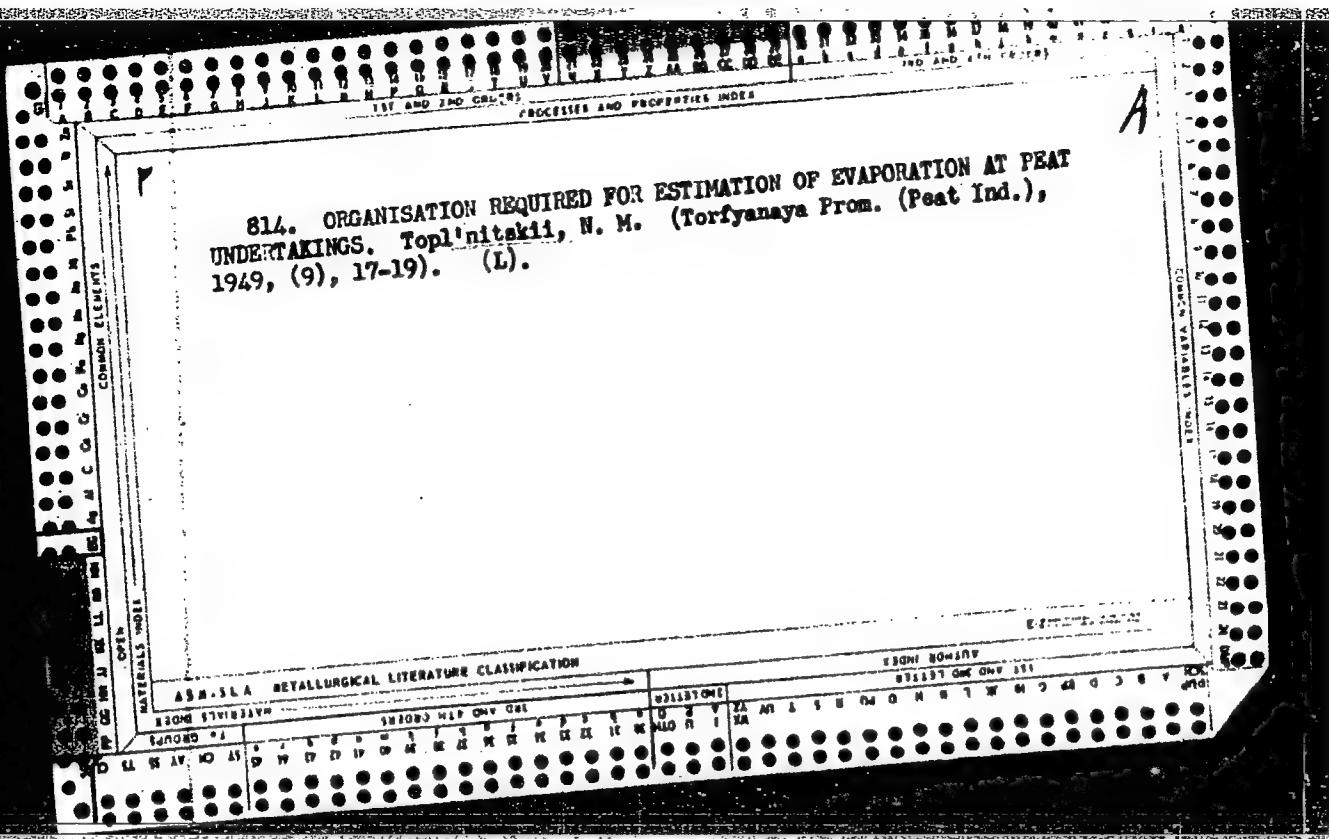
Some modern isotope studies applied in hematology. Pol. tyg. lek.  
19 no.40:1542-1544 5 1964

1. Z Kliniki Chorób Krewnych Instytutu Hematologii (Kierowni-  
kik: doc. dr. med. S. Jawolski).

TOPOLSKA, Paula; BRUS, Irena

Determination of formiminoglutamic acid (FIGLU) in the urine  
as a method for the diagnosis of deficiency of folic acid and  
its derivates. Pol. tyg. lek. 20 no.34:1270-1272 23 Ag '65.

1. Z Kliniki Chorób Wewnetrznych (Kierownik: doc. dr. S. Pawelski)  
i z Kliniki Hematologicznej (Kierownik: prof. dr. W. Lawkowicz)  
Instytutu Hematologii w Warszawie.



TOPOLYANSKIY, A.B., inzhener.

Using inventory installations for supplying electricity and  
operating electric equipment at Leningrad construction sites.  
Nov.tekh.i pered.op v stroi. 19 no.3:21-23 Mr '57.

(MLRA 10:4)

(Leningrad--Electric engineering)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310015-2

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310015-2"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310015-2

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756310015-2"

*Topolyanskiy*

DOROFEEV, V.I., inzhener; PESOCHIN, M.I., inzhener; TOPOLYANSKIY, L.B.,  
inzhener; LYULYAYEV, V.K., inzhener; TSIGER, R.M., inzhener.;  
YEGANOV, B.N., inzhener; BARZAM, A.B., inzhener.

Simplifying relay protection. Elek.sta. 28 no.1:62-68 Ja '57.  
(MLRA 10:3)

1. Dneproenergo (for Dorofeyev, Pesochin, Topolyanskiy) 2. Azenergo  
(for Lyulyayev, TSiger) 3. Azizbekovskiy setevoy rayon Azenergo  
(for Yeganov) 4. ODU Glavtsentrenergo (for Barzam).  
(Electric lines)

*Geophys*

*i*

Meteorological Abst.  
Vol. 4 No. 3  
March 1953  
Part 2  
Bibliography on Frost  
and Frost Forecasting

4C-177

551.509.532

Topol'nitakii, Nikolai M., Opyt provedeniia raionnoi suluzhby preduprezhdeniia zamorozkov. [Attempt at a regional frost warning service.] Klimat i Pogoda, 10(6):7-8, 1934. 2 eqs.  
DWB--Report on special temperature observations and experimental warning service, which were made during spring 1934 in one district of the Moscow Area. Subject Headings: 1. Frost warning services 2. Moscow, U.S.S.R.

TOPOL'NITSKIY, N. M.

PA 23T87

USSR/Meteorological Research  
Hydrometeorology

Sep 1947

"Hydrometeorological Observations at Swamp Stations,"  
1 p

"Torfyanaya Promyshlennost'" No 9

This article is a summary of the information contained in Booklet No 8 of the series, "Instructions for Hydrometeorological Stations and Posts," published in 1946 by the Hydrometeorological Service of the USSR. This booklet contains instructions as to the type of information which stations in swampy areas are charged with collecting. It was summarized by N. M. Topol'nitskiy, Chief Hydrometeorologist of the Peat Industry.

23T87

TOPOL'NITSKIY, N. M.

29048- Organizatsiya Ucheta I'sparenisya Na Torfyanykh Predpiyatiyakh, Torf,  
Promst', 1949, No. 9, S. 17-19

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

TOPOL'NITSKIY, N. M.

29048 Organizatsiya "Vcheta ispareniya na torfya-nykh predpiyatiyakh Torf, prom-st' 1949, № 9, S. 17-19

30: Letopsi<sup>1</sup> Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

TOPOL'NITSKIY, N. N.

29048

Органическая Учебно-Изучательная Материалы Торфяной Промышленности. Торф.  
Пром-ст', 1949, № 9, с. 17-19.

SO: LETOPIS' №. 34

Organic calculation of evaporation in peat bogs. Peat materials.

TOPOL'NITSKIY, N. M.

"Violation of the Logarithmic Law for the Lapse Rate", Iz Ak Nauk SSSR, Ser Geograf i Geofiz, Vol. 13, No. 1, pp 70-74, 1949.